

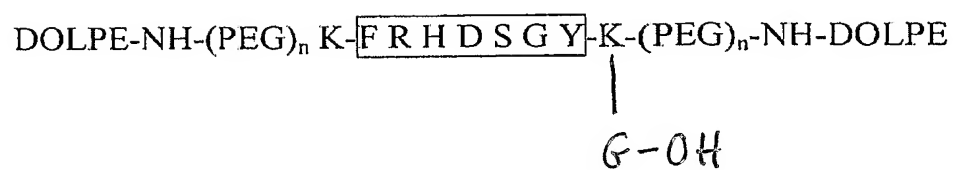
Figure 1Chemically Modified β -amyloid Antigen

Figure 2
Liposome Reconstituted, Chemically Modified Amyloid-Antigen

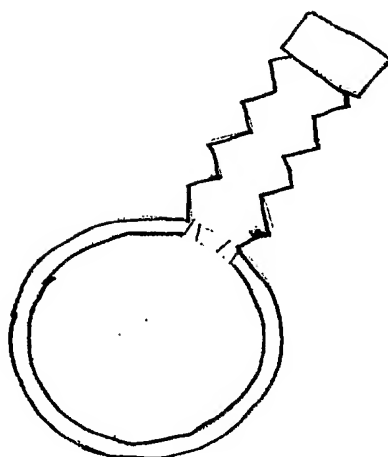


Figure 3
Multiple P₁₇₀ Antigen

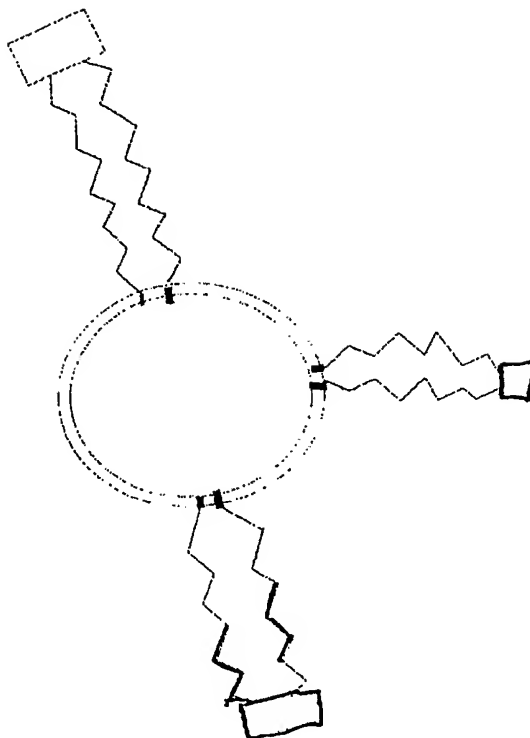


Figure 4
Synthetic Peptides Used For This Study



Fig. 4 : Synthetic peptides used for this study (single-letter amino-acid code)

a. PrP 57-64. WGQPHIGGG b. PrP 89-106. WGQGGGTHSQWNKPSKPK: c. PrP 106-140. KTNMKHMAG: d. PrP 106-126. KTNMKHMAGAAAAGAVVGGLG: e. PrP 127-135. GYMLGSAMS: f. PrP 127-147. GYMLGSAMSRPIIHFSGSDYED: g. PrP 106-126 scrambled. NGAKALMGGHGATKVMVGAAA: a-f. amino-acid sequence of peptides homologous to different fragments of the amyloid protein purified from GSS brains (residues 58 to ~150)¹². g. Scrambled version of PrP 106-126. the octapeptide "a" is repeated for 4 or 5 times in the PrP sequence.

A β 4-11

Ac-Lys-Phe-Arg(Pbf)-His(Trt)-Asp(OtBu)-Ser(tBu)-Gly-Tyr(tBu)-Glu(OtBu)-Lys-Gly-OH

A β 1-16

Ac-Lys-Asp(OtBu)-Ala-Glu(OtBu)-Phe-Arg(Pbf)-His(Trt)-Asp(OtBu)-Ser(tBu)-Gly-Tyr(tBu)-Glu(OtBu)-Val-His(Trt)-His(Trt)-Gln(Trt)-Lys(Boc)-Lys-Gly-OH

A β 22-35

Ac-Lys-Glu(OtBu)-Asp(OtBu)-Val-Gly-Ser(tBu)-Asn(Trt)-Lys(Boc)-Gly-Ala-Ile-Ile-Gly-Leu-Met-Lys-Gly-OH

A β 29-40

Ac-Lys-Gly-Ala-Ile-Ile-Gly-Leu-Met-Val-Gly-Gly-Val-Val-Lys-Gly-OH

FIGURE 5

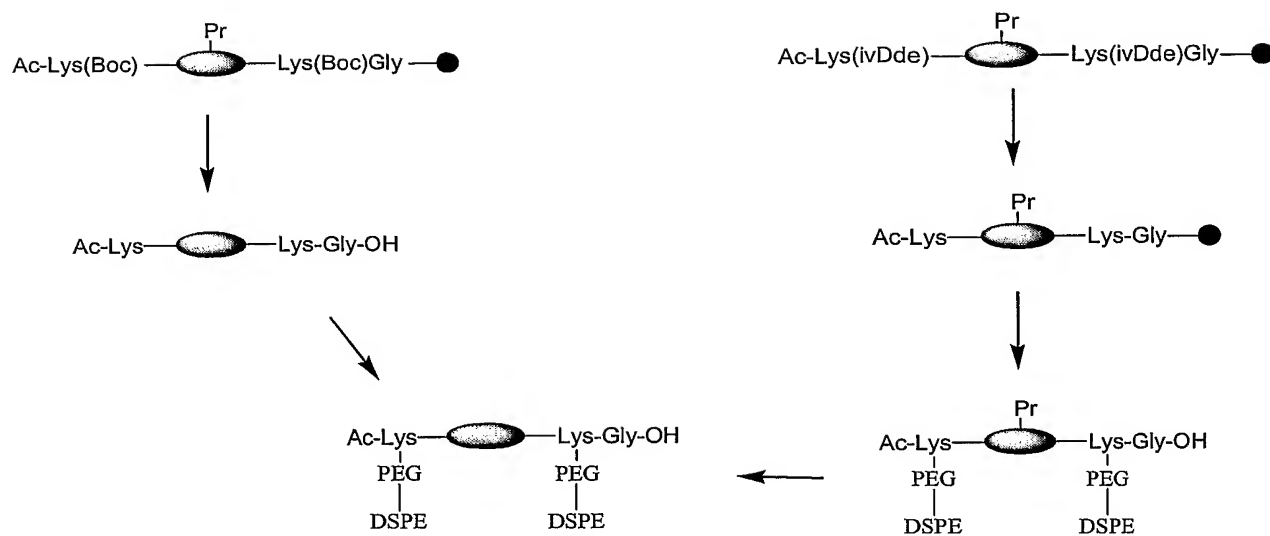
**FIGURE 6**

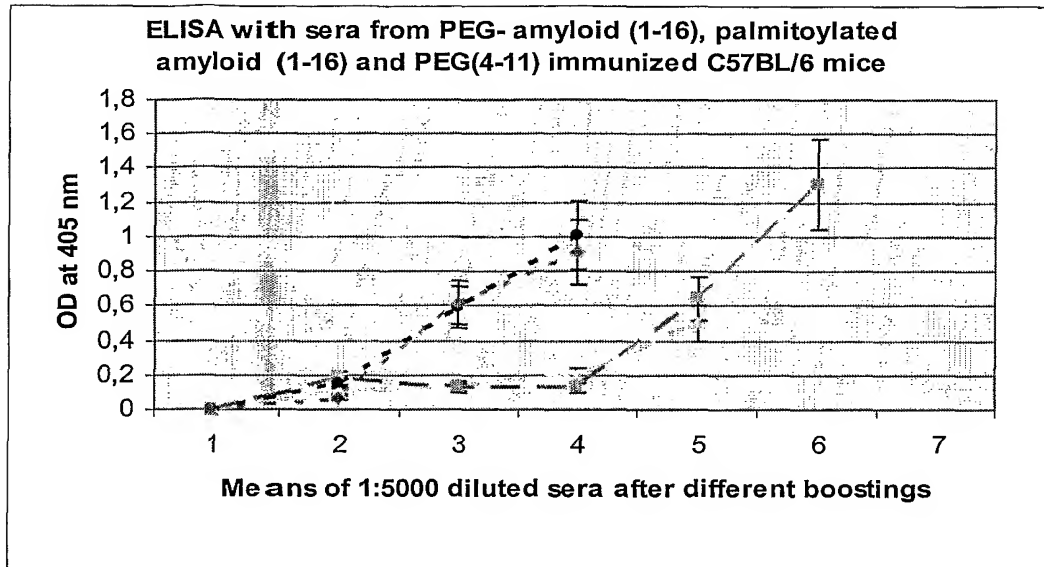
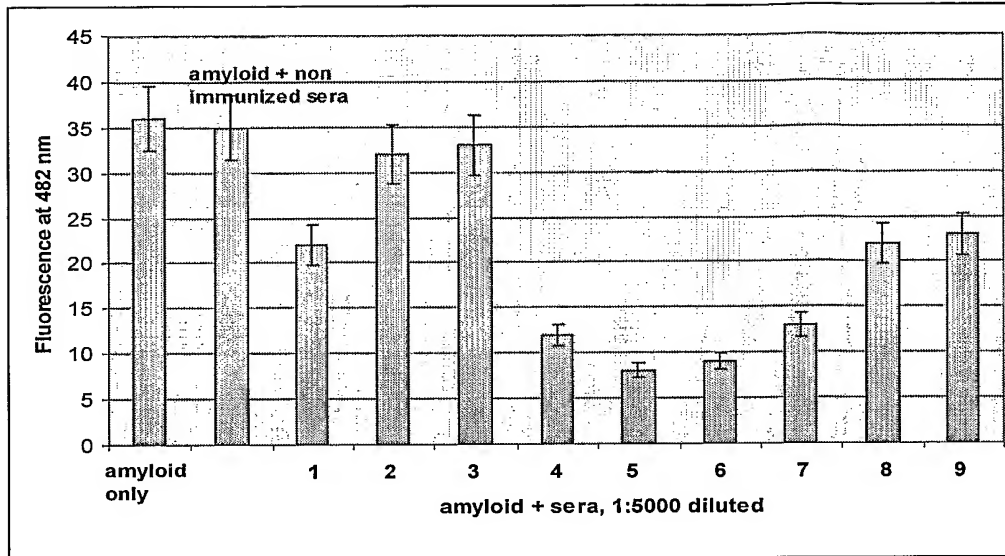
FIGURE 7

Figure 7: ELISA conducted with 1:5000 diluted sera from pegylated amyloid/ liposomes/ lipid A immunized C57BL/6 mice. PEG-A β_{1-16} (- - -black), PEG-A β_{1-16} + ALUM (- - -grey), PEG-A β_{4-11} (—grey). Means of the values of 10 mice per antigen; means of values from 2 mice are shown for A β_{1-16} +ALUM. As a control mean values of 12 palmitoylated A β_{1-16} (- - - bright grey) injected animals are shown (published 2002).

**Figure 8**

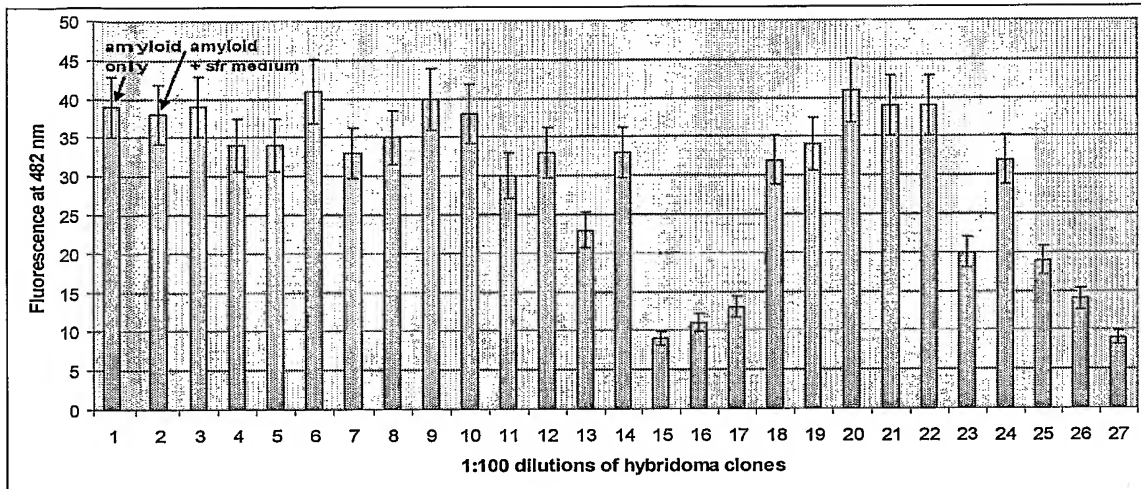
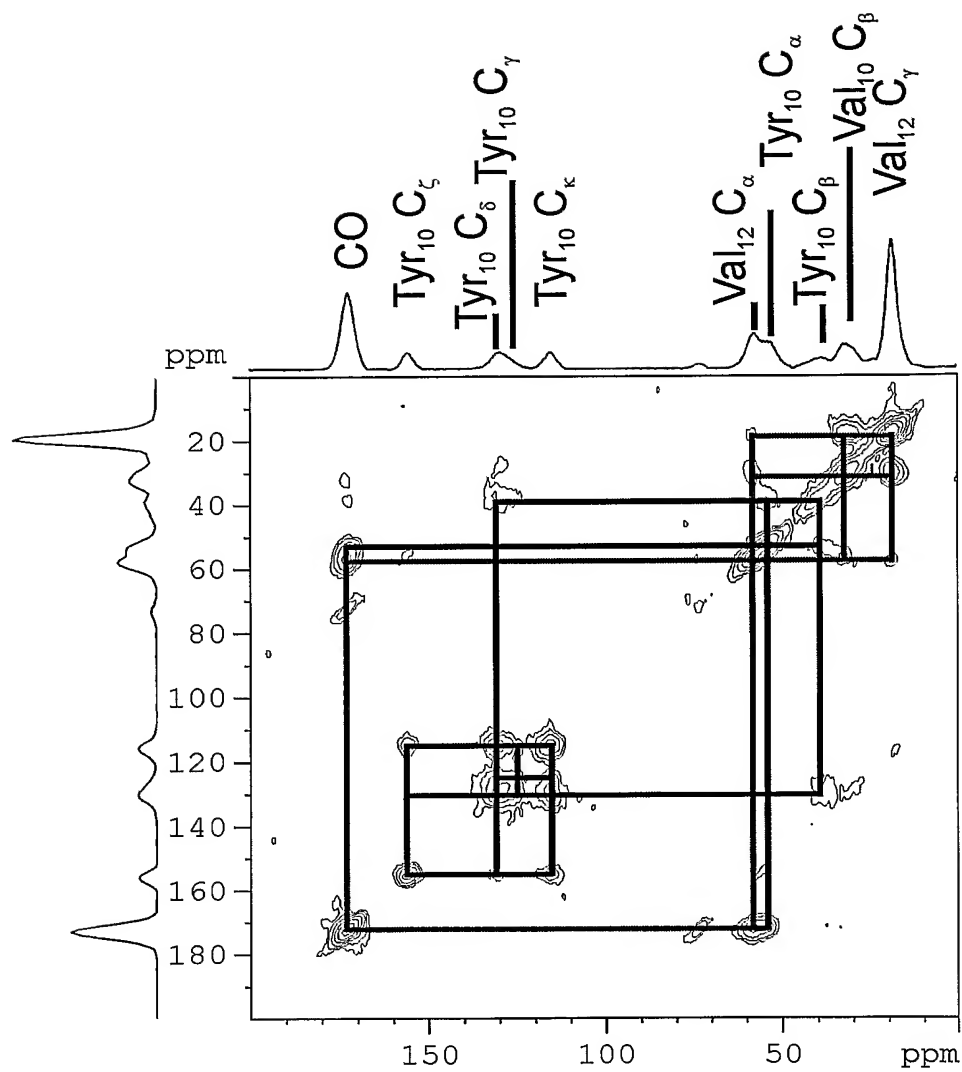
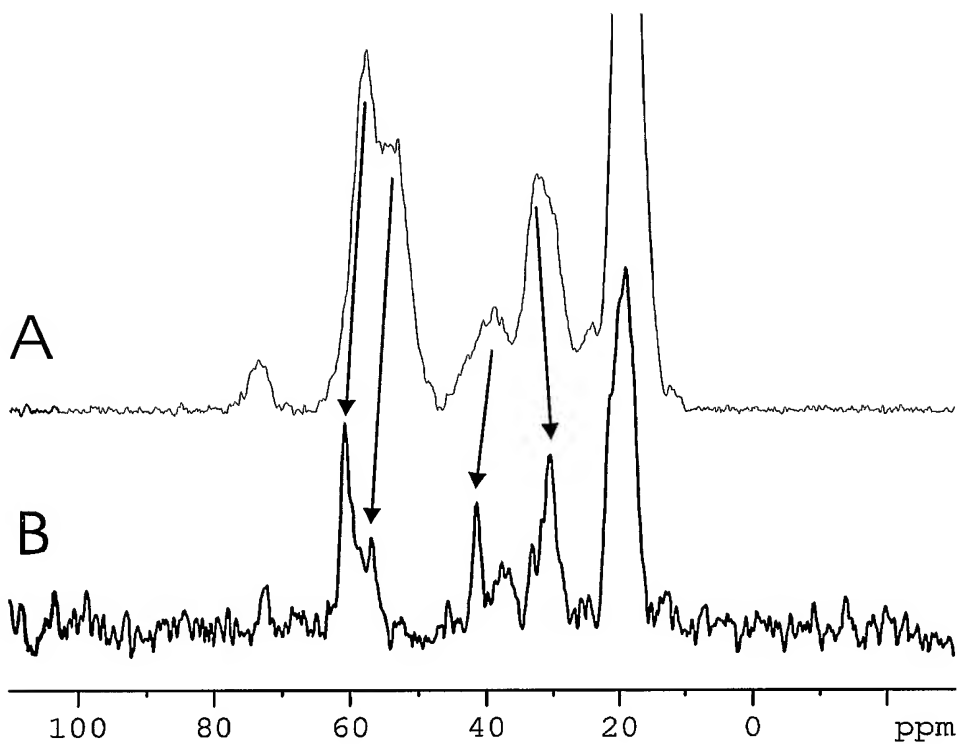


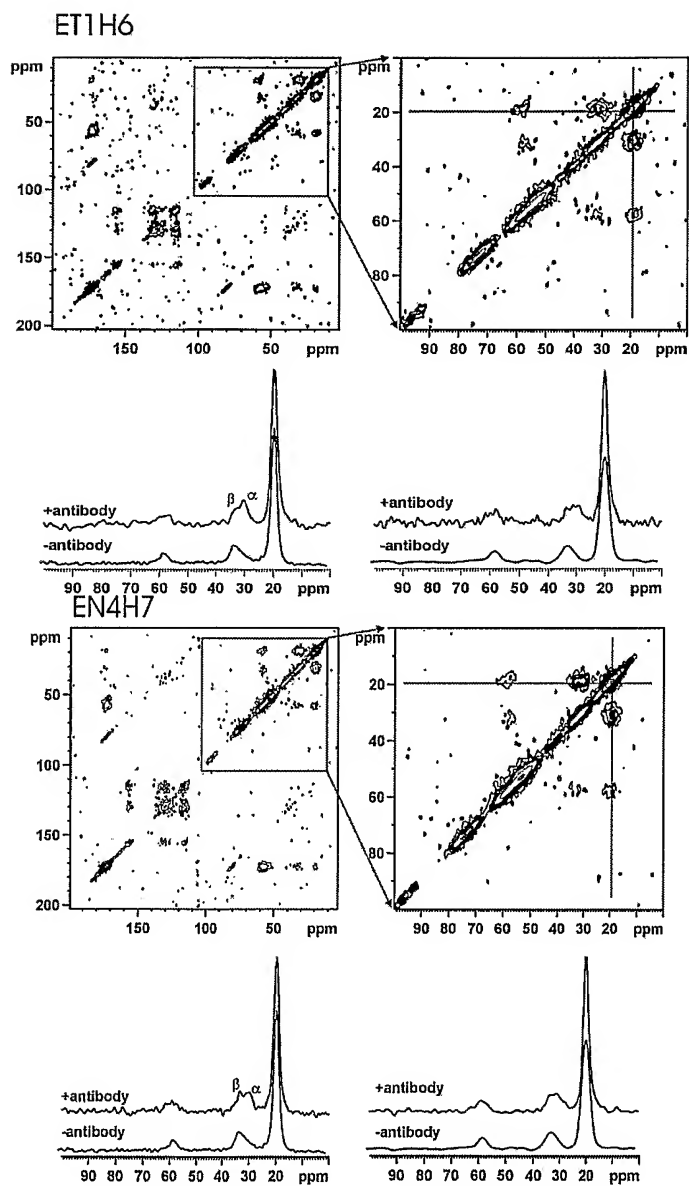
Figure 9

**Figure 10**

**Figure 11**

	Amyloid β -peptide fibers	Amyloid β -peptide fibers after 12 days of incubation with the antibody
$^{12}\text{Val C}_\alpha$	58 ppm	60 ppm
$^{12}\text{Val C}_\beta$	33 ppm	30 ppm
$^{10}\text{Tyr C}_\alpha$	54 ppm	56 ppm
$^{10}\text{Tyr C}_\beta$	38 ppm	41 ppm

FIGURE 12



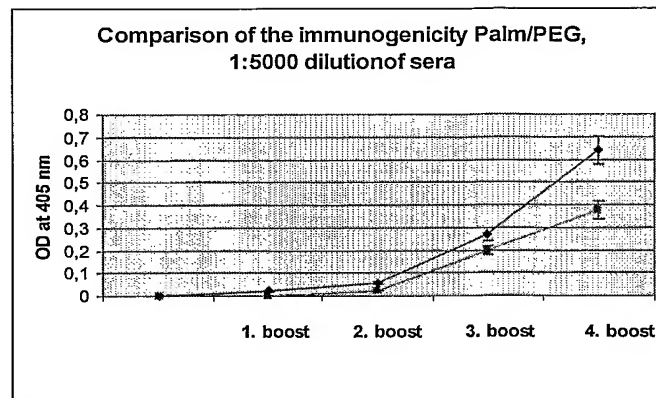


Figure 13: pink: Palm.-Aβ₁₋₁₆, blue: PEG-Aβ₁₋₁₆

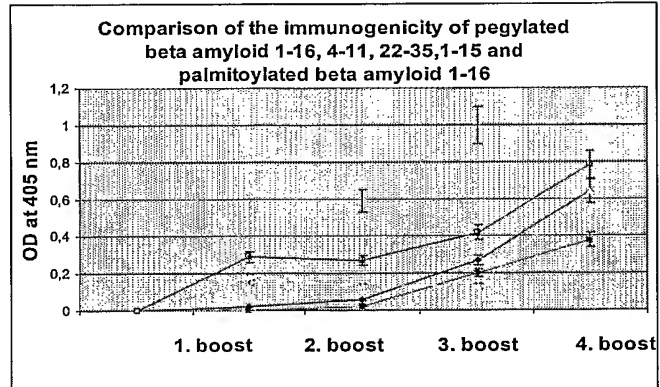


Figure 14: pink: Palm.-A β ₁₋₁₆, blue: PEG-A β ₁₋₁₆,
turquoise: PEG-A β ₁₋₁₅, violet: PEG-A β ₂₂₋₃₅,
yellow: PEG-A β ₄₋₁₁.